

**Risk-based Screening Process for Surface Water  
Gold King Mine Response  
August 11, 2015**

Detected metals in surface water were compared with site-specific background concentrations. Background values were defined for the Silverton, CO area and a second background data set were defined for Durango from Bakers Bridge south to the Durango municipal water intact. Any detection that exceeded background was then compared with screening criteria for recreational water use and for Colorado criteria for agricultural use which includes both ingestion by livestock and irrigation uses. These screening values are provided in the table below.

<b>DRAFT Water Screening Values (ug/L)</b>		
Chemical	Surface Water Recreational Use	Agriculture (30 day) (Colorado)
Aluminum	170000	
Antimony		
Arsenic	50	100
Barium	33,000	
Beryllium	330	100
Cadmium	83	10
Calcium		
Chromium	210,000	100
Cobalt	50	
Copper	6700	200
Iron	120,000	
Lead	200	100
Magnesium		
Manganese	7800	200
Mercury		
Molybdenum		
Nickel Sol Salts	3300	200
Potassium		
Selenium		20
Silver		
Sodium		
Thallium	1.7	
Vanadium	830	

Zinc	50,000	2,000
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